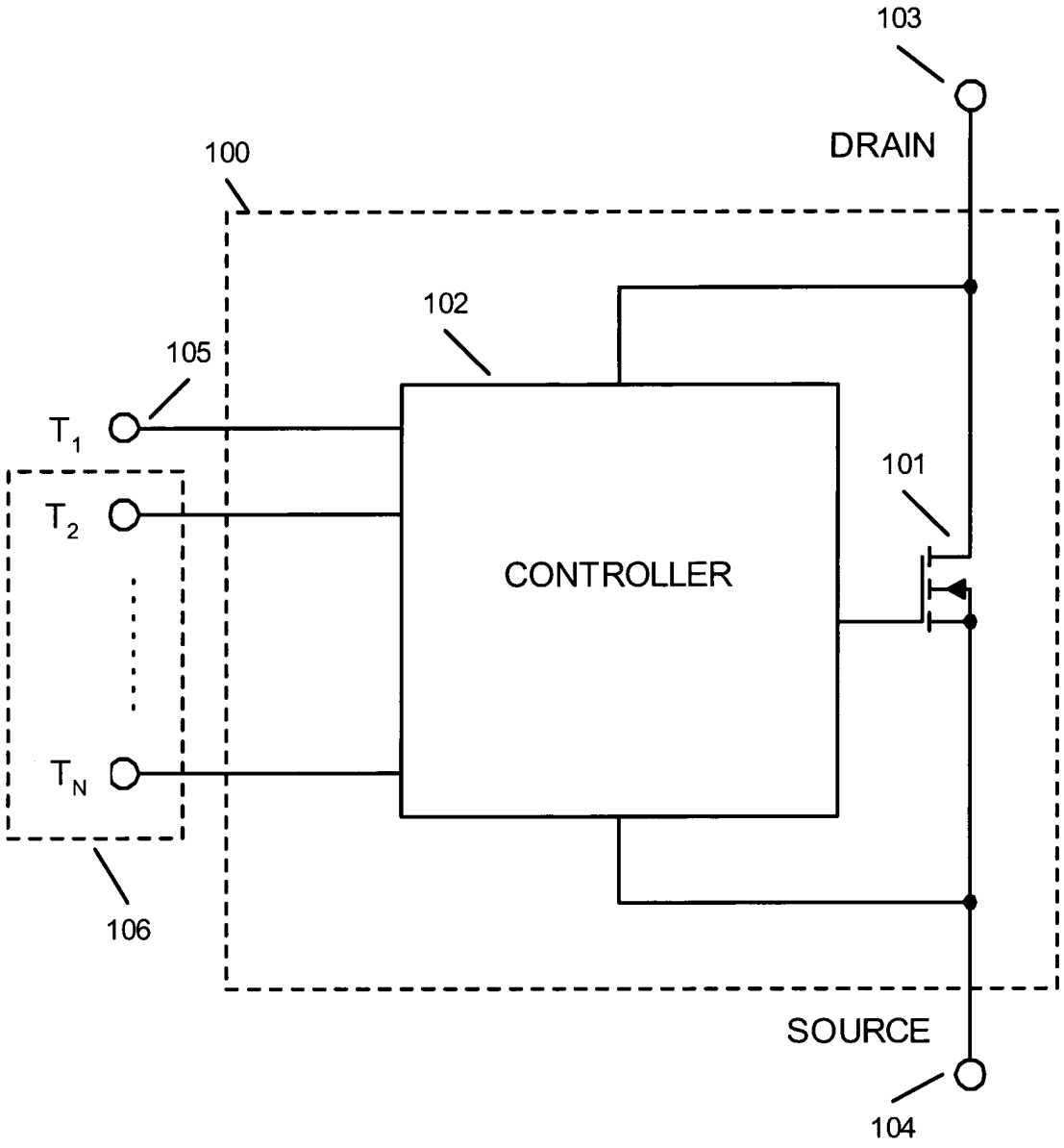

FIG. 1

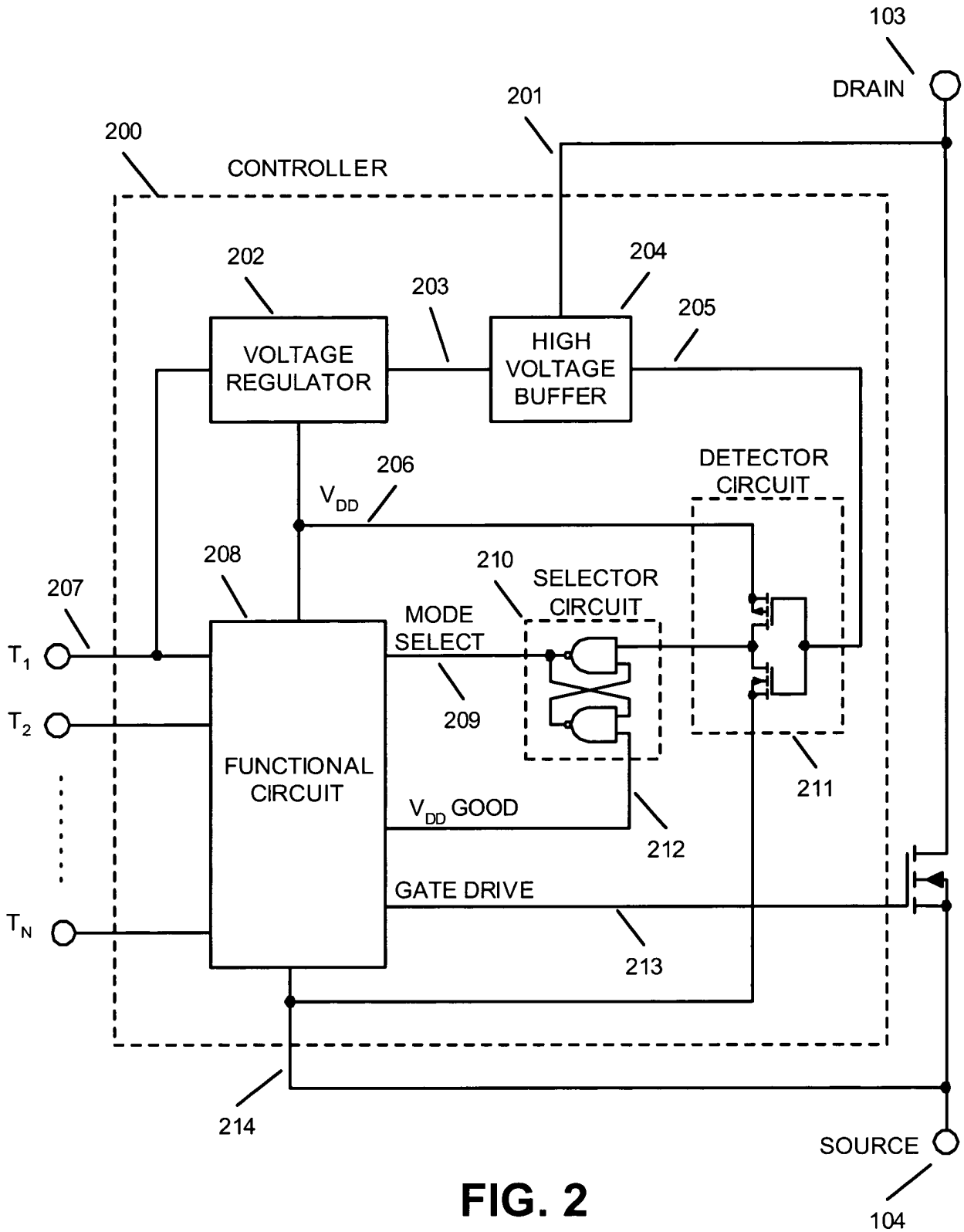
103
DRAIN
201
200
CONTROLLER
202
204
203
205
VOLTAGE REGULATOR
HIGH VOLTAGE BUFFER
206
V_{DD}
DETECTOR CIRCUIT
208
210
SELECTOR CIRCUIT
207
MODE SELECT
T_1
T_2
209
FUNCTIONAL CIRCUIT
211
V_{DD} GOOD
212
GATE DRIVE
T_N
213
214
SOURCE
104

FIG. 2